

Ad Hoc Community and Public Works Planning Committee (CAPP)
Alternative Energy Committee (AEC)
July 2, 2010

Members present: Burke Henry, Vice Chair; Alan Fischlowitz, Tom Banner and Carl Frederickson (10:12 am).

Members absent: Larry Bean, Chair and Alan Fischlowitz

Also present: Rory Artig, representing Windustry.

1. Call to order.

The Alternative Energy Committee meeting called to order by Vice Chair B. Henry on Friday, July 2, 2010 at 10:07 AM at the Town Hall. A quorum of the committee is present as reflected in the members listed above.

2. Discuss any unfinished business from the Thursday Alternative Energy Committee meeting:

a. RBEG grant policies and procedures.

b. AEC present status and future plans.

c. Results of tour of Island with Mr. Artig.

d. Action and task list.

B. Henry, C. Frederickson and Rory Artig went to Big Bay State Park (BBSP) to see the present met tower, then on to the gravel pit on the Nelson property where the met tower will be re-located.

B. Henry and Rory spent a few hours this morning going over the analysis B. Henry has done. Rory said there are challenges, among them - will there be enough area to meet setback and sound setback requirements; if the Madeline Island Wilderness Preserve (MIWP) sold their property would future homes be able to be built on that property, there are vacant buildable lots for sale in the area, also. Noise is a big issue for this project.

C. Frederickson is now present. (10:12 a.m.).

Rory said another difficulty is transmission. Windustry could help with an engineer to analyze that. Windustry can also assist with permitting and facilitate the studies for that process. Transportation of equipment is an issue – what the ferry can handle, how the crane can be transported; there are weather issues. If a maintenance crane could come over on the ferry that would help a lot. Winter transportation also needs to be discussed.

B. Henry will send Rory the ferry limitations.

Xcel Energy will have to be contacted in regards to the transmission lines, specs, conductors, etc as well as information about peak loads and the underwater cable.

B. Henry used an alpha value of .4 for his calculations and Rory feels .4 is too high and to use .2.

B. Henry will do another set at .2. B. Henry will give Rory all the data on CD.

Rory will give the committee information on crane sizes. Gearless turbines are being manufactured which emit less noise.

An environmental assessment needs to be done and the grant can help with that. Might also need marine band radar out on the lake. Rory suggested a conference call with the DNR to see what the DNR would like to see.

B. Henry said he received an email from Bob Owen, meteorologist regarding noise on the SODAR data so Bob has a lot of work to do to fix that. Rory thought that the turbulence and wind speed data between 50 and 75 meters might be easier and to take the information for a week at different times of the year, particularly not in summer since summer sees the lowest

wind. He suggested that Owen give us a week measurement in October or November and if Bob is unable to process the data from last summer we could say, in order to honor the contract, why not come over and take one week of data at 50-75 meters and not worry about last summer's data. B. Henry will contact Bob Owen about this. Rory suggested starting with 2 weeks and then go down to a week.

Rory will contact Windustry to find out if his company can put up the met tower at the north end site or if that would be a conflict of interest. If this is not a conflict of interest he will submit a bid.

Rory said the procedure for using Windustry grant funds is that the AEC will submit a request to Windustry and Windustry will either approve or disapprove.

Rory said that if money is needed for a bird study Windustry would hire the group to do the study so that would be a Windustry study under the RBEG (Rural Business Enterprise Grant).

Rory said in Minnesota past bird studies are used. A small project would not do a study like this as the study is very expensive. An engineering firm would be able to find that information.

Financial feasibility needs to be estimated in terms of load/transmission to Xcel. What is the energy worth, how much will you get for that energy? Rory said with the time frame of this project there will be additional renewable energy requirements in Wisconsin that will motivate Xcel Energy to seek out new projects. Municipal ownership is different than private ownership.

A. Fischlowitz leaves at 10:35 a.m.

Rory will put together some basic information such as performance and cost.

Rory said this project is a property tax payment project rather than a project where the municipality owns the electric company, owns the lines and buys electricity for distribution.

Rural grants are available for municipality owned electric companies and those are rate payer projects, not a property tax payer project.

Thank you to Rory for meeting with this committee. Rory suggested he could contribute in the future by conference call. He will be back again.

3. Schedule next meeting.

Agreement that the committee proceed as quickly as possible to move the tower. B. Henry will talk to Bob Owen and then a meeting will be scheduled.

4. Adjourn.

Motion to adjourn by C. Frederickson, second, T. Banner. All in favor, three ayes, motion carried.

Meeting adjourned at approximately 10:50 a.m.

Minutes taken from recorder and respectfully submitted by Kathy Erickson, Clerical Assistant

Minutes approved as submitted July 13, 2010